



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

Date Processed by STIC:

101647,519
IFWO
2/13/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
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4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

3 <110> APPLICANT: Fainzilber, Michael M.
 4 Kits, Karel S.
 5 Burlingame, Alma L.
 6 Olivera, Baldomero M.
 7 Walker, Craig
 8 Watkins, Maren
 9 Shetty, Reshma
 10 Cruz, Lourdes J.
 11 Imperial, Julita
 12 Colledge, Clark
 13 University of Utah Resarch Foundation
 14 Vrije Universiteit
 15 Regents of the University of California
 17 <120> TITLE OF INVENTION: Gamma-Conopeptides
 19 <130> FILE REFERENCE: 2314-147-sq2
 C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/647,519
 C--> 22 <141> CURRENT FILING DATE: 2003-08-26
 24 <150> PRIOR APPLICATION NUMBER: US 60/069,706
 25 <151> PRIOR FILING DATE: 1997-12-16
 27 <160> NUMBER OF SEQ ID NOS: 47
 29 <170> SOFTWARE: PatentIn Ver. 2.0
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 42
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial Sequence
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: Description of Artificial Sequence:generic formula
 38 of gamma-conopeptides
 40 <220> FEATURE:
 41 <221> NAME/KEY: PEPTIDE
 42 <222> LOCATION: (1)..(13)
 43 <223> OTHER INFORMATION: Xaa at residues 1, 2, 3, 4, 5, and 6 may be
 44 des-Xaa or any amino acid; Xaa at residues 8, 9,
 45 10, 11 and 12 may be any amino acid; Xaa at
 46 residue 13 may be des-Xaa or any amino acid.
 48 <220> FEATURE:
 49 <221> NAME/KEY: PEPTIDE
 50 <222> LOCATION: (15)..(19)
 51 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino
 52 acid; Xaa at residue 19 is Glu,
 53 gamma-carboxyglutamate or Gln.
 55 <220> FEATURE:
 56 <221> NAME/KEY: PEPTIDE

pg. 6
 Does Not Comply
 Corrected Diskette Needed
 (pg. 7-9)

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TIME: 12:04:44

Input Set : A:\2314-269seq.txt

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57 <222> LOCATION: (22)..(28)

58 <223> OTHER INFORMATION: Xaa at residues 22, 23 and 24 may be any amino
59 acid; Xaa at residue 25 may be des-Xaa or any
60 amino acid; Xaa at residues 27, 28 and 29 may be
61 any amino acid.

63 <220> FEATURE:

64 <221> NAME/KEY: PEPTIDE

65 <222> LOCATION: (30)..(42)

66 <223> OTHER INFORMATION: Xaa at residues 30, 31 and 32 may be des-Xaa or
67 any amino acid; Xaa at residues 34, 35, 36, 37,
68 38, 39, 40, 41 and 42 may be des-Xaa or any amino
69 acid.

71 <400> SEQUENCE: 1

W--> 72 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
73 1 5 10 15
75 Xaa Xaa Xaa Cys Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
76 20 25 30
78 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
79 35 40

82 <210> SEQ ID NO: 2

83 <211> LENGTH: 42

84 <212> TYPE: PRT

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Description of Artificial Sequence:generic
89 sequence of gamma-conopeptides.

91 <220> FEATURE:

92 <221> NAME/KEY: PEPTIDE

93 <222> LOCATION: (1)..(13)

94 <223> OTHER INFORMATION: Xaa at residues 1, 2, 3, 4, 5 and 6 may be des-Xaa
95 or any amino acid; Xaa at residues 8, 9, 10, 11
96 and 12 may be any amino acid; Xaa at residue 13
97 may be des-Xaa or any amino acid.

99 <220> FEATURE:

100 <221> NAME/KEY: PEPTIDE

101 <222> LOCATION: (15)..(22)

102 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino
103 acid; Xaa at residue 19 is Glu,
104 gamma-carboxyglutamate or Gln; Xaa at residue 22
105 is Ser or Thr.

107 <220> FEATURE:

108 <221> NAME/KEY: PEPTIDE

109 <222> LOCATION: (23)..(29)

110 <223> OTHER INFORMATION: Xaa at residues 23 and 24 may be any amino acid;
111 Xaa at residue 25 may be des-Xaa or any amino
112 acid; Xaa at residues 27, 28 and 29 may be any
113 amino acid.

115 <220> FEATURE:

116 <221> NAME/KEY: PEPTIDE

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Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

117 <222> LOCATION: (30)..(42)
 118 <223> OTHER INFORMATION: Xaa at residues 30, 31 and 32 may be des-Xaa or
 119 any amino acid; Xaa at residues 34, 35, 36, 37,
 120 38, 39, 40, 41 and 42 may be des-Xaa or any amino
 121 acid.

123 <400> SEQUENCE: 2

W--> 124 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

125 1 5 10 15

127 Xaa Xaa Xaa Cys Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa

128 20 25 30

130 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

131 35 40

134 <210> SEQ ID NO: 3

135 <211> LENGTH: 39

136 <212> TYPE: PRT

137 <213> ORGANISM: Artificial Sequence

139 <220> FEATURE:

140 <223> OTHER INFORMATION: Description of Artificial Sequence:generic formula
 141 of gamma-conopeptides

143 <220> FEATURE:

144 <221> NAME/KEY: PEPTIDE

145 <222> LOCATION: (1)..(13)

146 <223> OTHER INFORMATION: Xaa at residue 1 is any amino acid; Xaa at
 147 residues 2, 3, 4, 5 and 6 may be des-Xaa or any
 148 amino acid; Xaa at residues 8, 9, 10, 11, 12 and
 149 13 may be any amino acid.

151 <220> FEATURE:

152 <221> NAME/KEY: PEPTIDE

153 <222> LOCATION: (27)..(39)

154 <223> OTHER INFORMATION: Xaa at residues 27, 28, 29, 31, 32, 33, 34, 35, 36
 155 and 37 may be any amino acid; Xaa at residues 38
 156 and 39 may be des-Xaa or any amino acid.

158 <220> FEATURE:

159 <221> NAME/KEY: PEPTIDE

160 <222> LOCATION: (15)..(19)

161 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino
 162 acid; Xaa at residue 19 is Glu or
 163 gamma-carboxyglutamate.

165 <400> SEQUENCE: 3

W--> 166 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

167 1 5 10 15

169 Xaa Xaa Xaa Cys Cys Ser Asn Ser Cys Asp Xaa Xaa Xaa Cys Xaa Xaa

170 20 25 30

172 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

173 35

176 <210> SEQ ID NO: 4

177 <211> LENGTH: 39

178 <212> TYPE: PRT

179 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 02/13/2004

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Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

181 <220> FEATURE:
 182 <223> OTHER INFORMATION: Description of Artificial Sequence:generic
 183 sequence of gamma-conopeptides.
 185 <220> FEATURE:
 186 <221> NAME/KEY: PEPTIDE
 187 <222> LOCATION: (1)..(13)
 188 <223> OTHER INFORMATION: Xaa at residue 1 is any amino acid; Xaa at
 189 residues 2, 3, 4, 5 and 6 may be des-Xaa or any
 190 amino acid; Xaa at residues 8, 9, 10, 11, 12 and
 191 13 may be any amino acid.
 193 <220> FEATURE:
 194 <221> NAME/KEY: PEPTIDE
 195 <222> LOCATION: (15)..(19)
 196 <223> OTHER INFORMATION: Xaa at residue 15 is Ser or Thr; Xaa at residues
 197 16, 17 and 18 may be any amino acid; Xaa at
 198 residue 19 is Glu or gamma-carboxyglutamate.
 200 <220> FEATURE:
 201 <221> NAME/KEY: PEPTIDE
 202 <222> LOCATION: (27)..(39)
 203 <223> OTHER INFORMATION: Xaa at residues 27, 28, 29, 31, 32, 33, 34, 35, 36
 204 and 37 may be any amino acid; Xaa at residues 38
 205 and 39 may be des-Xaa or any amino acid.
 207 <400> SEQUENCE: 4
 W--> 208 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 209 1 5 10 15
 211 Xaa Xaa Xaa Cys Ser Asn Ser Cys Asp Xaa Xaa Xaa Cys Xaa Xaa
 212 20 25 30
 214 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 215 35
 218 <210> SEQ ID NO: 5
 219 <211> LENGTH: 34
 220 <212> TYPE: PRT
 221 <213> ORGANISM: Artificial Sequence
 223 <220> FEATURE:
 224 <223> OTHER INFORMATION: Description of Artificial Sequence:generic
 225 sequence of gamma-conopeptides.
 227 <220> FEATURE:
 228 <221> NAME/KEY: PEPTIDE
 229 <222> LOCATION: (1)..(6)
 230 <223> OTHER INFORMATION: Xaa at residues 1 and 2 may be des-Xaa or any
 231 amino acid; Xaa at residue 3 is Asp, Glu or
 232 gamma-carboxyglutamate; Xaa at residues 5 and 6
 233 may be any amino acid.
 235 <220> FEATURE:
 236 <221> NAME/KEY: PEPTIDE
 237 <222> LOCATION: (7)..(16)
 238 <223> OTHER INFORMATION: Xaa at residue 7 is Trp or 6-bromo-Trp; Xaa at
 239 residues 9, 10, 13 and 14 may be any amino acid;
 240 Xaa at residue 16 is Glu or

RAW SEQUENCE LISTING

DATE: 02/13/2004

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Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

241 gamma-carboxyglutamate.
 243 <220> FEATURE:
 244 <221> NAME/KEY: PEPTIDE
 245 <222> LOCATION: (28)..(34)
 246 <223> OTHER INFORMATION: Xaa at residues 28, 30, 31, 32, 33 and 34 may be
 247 any amino acid.
 249 <400> SEQUENCE: 5
W--> 250 Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Cys Thr Xaa Xaa Ser Xaa
 251 1 5 10 15
 253 Cys Cys Ser Asn Ser Cys Asp Gln Thr Tyr Cys Xaa Leu Xaa Xaa Xaa
 254 20 25 30
 256 Xaa Xaa
 260 <210> SEQ ID NO: 6
 261 <211> LENGTH: 32
 262 <212> TYPE: PRT
 263 <213> ORGANISM: Conus pennaceus
 265 <220> FEATURE:
 266 <221> NAME/KEY: PEPTIDE
 267 <222> LOCATION: (1)..(31)
 268 <223> OTHER INFORMATION: Xaa at residue 5 is Trp or 6-bromo-Trp; Xaa at
 269 residues 14 and 26 are Glu or
 270 gamma-carboxyglutamate; Xaa at residue 31 is Pro
 271 or hydroxy-Pro.
 273 <400> SEQUENCE: 6
W--> 274 Asp Cys Thr Ser Xaa Phe Gly Arg Cys Thr Val Asn Ser Xaa Cys Cys
 275 1 5 10 15
 277 Ser Asn Ser Cys Asp Gln Thr Tyr Cys Xaa Leu Tyr Ala Phe Xaa Ser
 278 20 25 30
 284 <210> SEQ ID NO: 7
 285 <211> LENGTH: 34
 286 <212> TYPE: PRT
 287 <213> ORGANISM: Conus textile
 289 <220> FEATURE:
 290 <221> NAME/KEY: PEPTIDE
 291 <222> LOCATION: (1)..(34)
 292 <223> OTHER INFORMATION: Xaa at residues 1, 7 and 34 are Trp or
 293 6-bromo-Trp; Xaa at residues 3 and 16 are Glu or
 294 gamma-carboxyglutamate; Xaa at residues 31 and 32
 295 are Pro or hydroxy-Pro.
 297 <400> SEQUENCE: 7
W--> 298 Xaa Leu Xaa Cys Ser Val Xaa Phe Ser His Cys Thr Lys Asp Ser Xaa
 299 1 5 10 15
 301 Cys Cys Ser Asn Ser Cys Asp Gln Thr Tyr Cys Thr Leu Met Xaa Xaa
 302 20 25 30
 304 Asp Xaa
 308 <210> SEQ ID NO: 8
 309 <211> LENGTH: 39
 310 <212> TYPE: PRT
 311 <213> ORGANISM: Conus textile

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/647,519

DATE: 02/13/2004
 TIME: 12:04:45

Input Set : A:\2314-269seq.txt
 Output Set: N:\CRF4\02132004\J647519.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. ~~1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27~~ ✓
 Seq#:1; Xaa Pos. ~~28,29,30,31,32,34,35,36,37,38,39,40,41,42~~ ✓
 Seq#:2; Xaa Pos. ~~1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27~~
 Seq#:2; Xaa Pos. ~~28,29,30,31,32,34,35,36,37,38,39,40,41,42~~
 Seq#:3; Xaa Pos. ~~1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32~~
 Seq#:3; Xaa Pos. ~~33,34,35,36,37,38,39~~
 Seq#:4; Xaa Pos. ~~1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32~~
 Seq#:4; Xaa Pos. ~~33,34,35,36,37,38,39~~
 Seq#:5; Xaa Pos. ~~1,2,3,5,6,7,9,10,13,14,16,28,30,31,32,33,34~~
 Seq#:6; Xaa Pos. ~~5,14,26,31~~
 Seq#:7; Xaa Pos. ~~1,3,7,16,31,32,34~~
 Seq#:8; Xaa Pos. ~~1,2,4,10,19,31,34,36,37,39~~
 Seq#:9; Xaa Pos. ~~9,13,17~~
 Seq#:10; Xaa Pos. ~~2,3,10,12,18,26,32,33~~
 Seq#:11; Xaa Pos. ~~3,5,16,18,22,25,31~~
 Seq#:12; Xaa Pos. ~~1,5,8,11~~
 Seq#:13; Xaa Pos. ~~5,8,10,15,16,23~~
 Seq#:14; Xaa Pos. ~~4,9,12,13,17~~
 Seq#:15; Xaa Pos. ~~8,15,16~~
 Seq#:24; N Pos. 17
 Seq#:36; Xaa Pos. ~~3,7,8,14,18~~
 Seq#:37; Xaa Pos. 1
 Seq#:39; N Pos. 12
 Seq#:41; N Pos. ~~6,9,12,15,18,21,24~~
 Seq#:42; Xaa Pos. ~~14,26,31~~
 Seq#:43; Xaa Pos. ~~9,13~~
 Seq#:44; Xaa Pos. 2
 Seq#:45; Xaa Pos. ~~1,6,7,8,12,17,18,23~~

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Page 7

<210> SEQ ID NO 24
<211> LENGTH: 533
<212> TYPE: DNA
<213> ORGANISM: Conus textile
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: (110)..(337)
<400> SEQUENCE: 24

ctctgccggt tgacac^otca tctactctct cagtctccct gacagctgcc ttcagtcgac 60

Mandatory, please
explain "N" locations.
please see error
explanation
on page 8.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors. ↗
Seq. (39, 41)

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/647,519

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Error Explanation:

Seq#:1; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27
 Seq#:1; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42
 Seq#:2; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27
 Seq#:2; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42
 Seq#:3; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32
 Seq#:3; Xaa Pos. 33,34,35,36,37,38,39
 Seq#:4; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32
 Seq#:4; Xaa Pos. 33,34,35,36,37,38,39
 Seq#:5; Xaa Pos. 1,2,3,5,6,7,9,10,13,14,16,28,30,31,32,33,34
 Seq#:6; Xaa Pos. 5,14,26,31
 Seq#:7; Xaa Pos. 1,3,7,16,31,32,34
 Seq#:8; Xaa Pos. 1,2,4,10,19,31,34,36,37,39
 Seq#:9; Xaa Pos. 9,13,17
 Seq#:10; Xaa Pos. 2,3,10,12,18,26,32,33
 Seq#:11; Xaa Pos. 3,5,16,18,22,25,31
 Seq#:12; Xaa Pos. 1,5,8,11
 Seq#:13; Xaa Pos. 5,8,10,15,16,23
 Seq#:14; Xaa Pos. 4,9,12,13,17
 Seq#:15; Xaa Pos. 8,15,16
 Seq#:24; N Pos. 17
 Seq#:36; Xaa Pos. 3,7,8,14,18
 Seq#:37; Xaa Pos. 1
 Seq#:39; N Pos. 12
 Seq#:41; N Pos. 6,9,12,15,18,21,24
 Seq#:42; Xaa Pos. 14,26,31
 Seq#:43; Xaa Pos. 9,13
 Seq#:44; Xaa Pos. 2
 Seq#:45; Xaa Pos. 1,6,7,8,12,17,18,23

VERIFICATION SUMMARY

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:45

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

L:21 M:270 C: Current Application Number differs, Replaced Application Number
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
M:341 Repeated in SeqNo=11
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
M:341 Repeated in SeqNo=13
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
M:341 Repeated in SeqNo=14
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:734 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:24 ✓
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
M:341 Repeated in SeqNo=36
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1140 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:39 ✓
L:1140 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:39 ✓
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1168 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:41 ✓
L:1168 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:41 ✓
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
M:341 Repeated in SeqNo=42
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
M:341 Repeated in SeqNo=45